

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/018093

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C08L83/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/161140 A1 (YONEDA YOSHINORI ET AL) 31 October 2002 (2002-10-31) paragraph '0039!; claim 1 -----	1-6
A	US 4 198 131 A (BIRDSALL, ARTHUR A ET AL) 15 April 1980 (1980-04-15) example 1; table IV -----	1-6
A	US 2001/039323 A1 (ACHENBACH FRANK ET AL) 8 November 2001 (2001-11-08) the whole document -----	1-6
A	US 6 313 190 B1 (BUBLEWITZ ALEXANDER ET AL) 6 November 2001 (2001-11-06) the whole document -----	1-6



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

27 April 2005

Date of mailing of the international search report

28/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Buestrich, R

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No
PCT/JP2004/018093

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002161140	A1	31-10-2002	JP 2002265787 A	18-09-2002
US 4198131	A	15-04-1980	AU 521685 B2	22-04-1982
			AU 4533479 A	27-09-1979
			BR 7901781 A	20-11-1979
			CA 1111185 A1	20-10-1981
			DE 2910361 A1	27-09-1979
			FR 2420781 A1	19-10-1979
			GB 2017336 A ,B	03-10-1979
			JP 1098061 C	27-05-1982
			JP 54130948 A	11-10-1979
			JP 56040326 B	19-09-1981
			NL 7902254 A ,B,	25-09-1979
			SE 440703 B	12-08-1985
			SE 7902606 A	26-11-1979
			AT 375193 B	10-07-1984
			AT 207479 A	15-11-1983
			BE 875015 A1	24-09-1979
US 2001039323	A1	08-11-2001	DE 10017154 A1	22-11-2001
			EP 1146086 A1	17-10-2001
			JP 2001302921 A	31-10-2001
US 6313190	B1	06-11-2001	WO 9740102 A1	30-10-1997
			AU 5689796 A	12-11-1997
			DE 19681408 D2	12-08-1999
			DE 59607465 D1	13-09-2001
			EP 0894117 A1	03-02-1999